K-Theory, Quadratic Forms and Number Theory Seminar

Title: Similarity factors of hermitian forms over number fields

Speaker: Dr. Amit Kulshrestha (Louvain-la-Neuve)

Date: Wed 29th November 2006 at 4:00PM

Location: Mathematical Sciences Seminar Room

Abstract: Undoubtedly, number fields exhibit many nice properties. Some of these properties can be expressed in terms of Galois cohomology or quadratic forms over fields (e.g. strong approximation property, torsion-free third power of the fundamental ideal of Witt ring, etc.). In this talk we discuss the group of similarity factors of hermitian forms over some special fields (number fields always being typical examples of those fields) and compare the group of similarities with "Hyp" group and "certain norm" groups. The results mentioned in the talk are a part of my PhD Thesis submitted last year.

http://mathsci.ucd.ie/sms/research/seminars/KTQFseminar.html